abcam

Product datasheet

Anti-MPG/AAG antibody [EPR10959(B)] ab155092

KO VALIDATED Recombinant RabMAb

★★★★★ 7 Abreviews 4 References 10 Images

Overview

Product name	Anti-MPG/AAG antibody [EPR10959(B)]
Description	Rabbit monoclonal [EPR10959(B)] to MPG/AAG
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, Flow Cyt (Intra)
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, 293T and Jurkat cell lysates; Human testis tissue and ovarian carcinoma tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10959(B)

Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab155092 in the following tested applications.

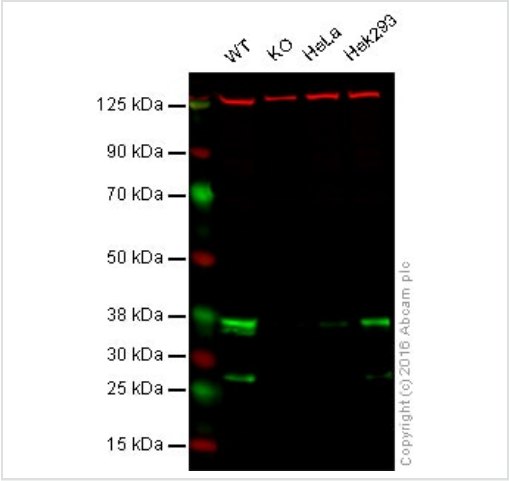
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (3)	1/10000 - 1/50000. Predicted molecular weight: 33 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

Target

Function	Hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions.
Sequence similarities	Belongs to the DNA glycosylase MPG family.
Cellular localization	Nucleus.

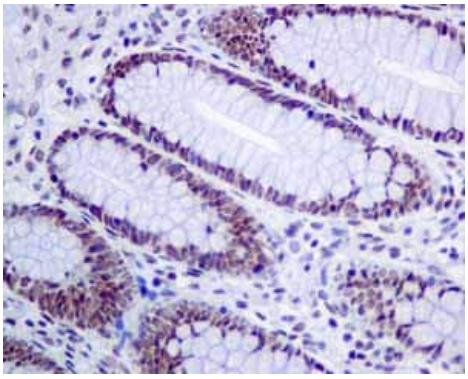
Images



Western blot - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: MPG/AAG knockout HAP1 cell lysate (20 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: HEK293 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab155092 observed at 35 kDa. Red - loading control, **ab8245**.

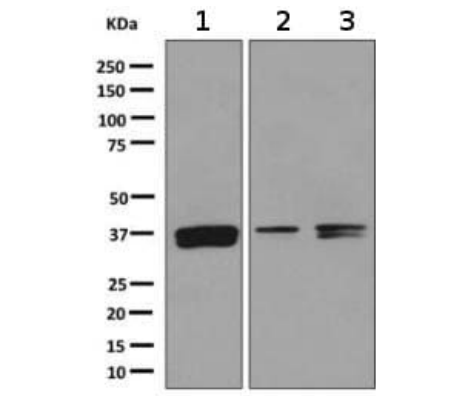
ab155092 was shown to specifically react with MPG/AAG when MPG/AAG knockout samples were used. Wild-type and MPG/AAG knockout samples were subjected to SDS-PAGE. Ab155092 and **ab8245** (loading control to GAPDH) were diluted at 1/10,000 and 1/10,000 dilution respectively and incubated overnight at 4C. Blots were developed with IRDye® 800CW Goat anti-Rabbit IgG (H + L) and IRDye® 680 Goat anti-Mouse IgG (H + L) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin embedded Human normal colon tissue using ab155092 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

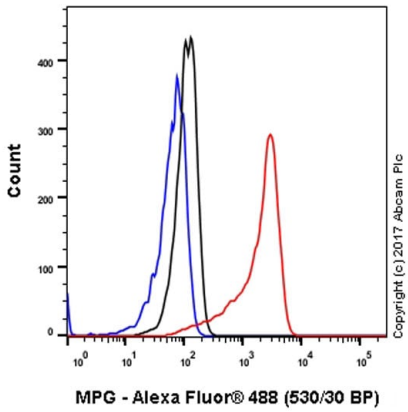
All lanes : Anti-MPG/AAG antibody [EPR10959(B)] (ab155092) at 1/10000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : 293T cell lysate
Lane 3 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

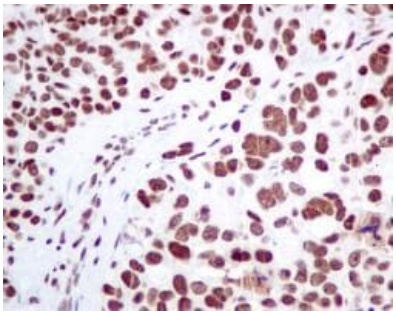
Secondary
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 33 kDa



Flow Cytometry (Intracellular) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

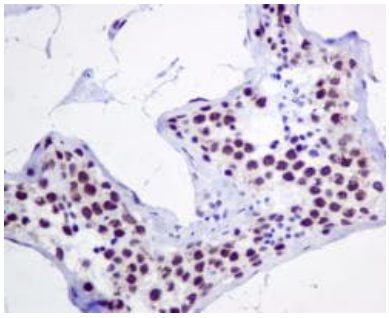
Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling MPG/AAG with unpurified ab155092 at 1/20 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) (**ab172730**) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling MPG/AAG with ab155092 at 1/50 dilution.

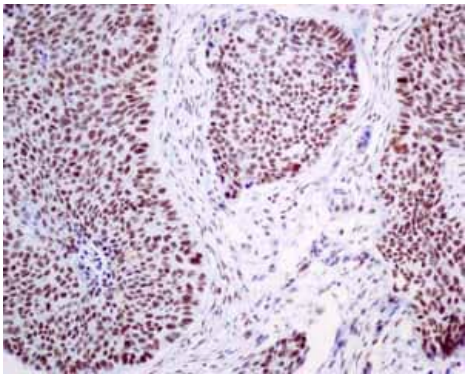
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin-embedded Human tesis tissue labeling MPG/AAG with ab155092 at 1/50 dilution.

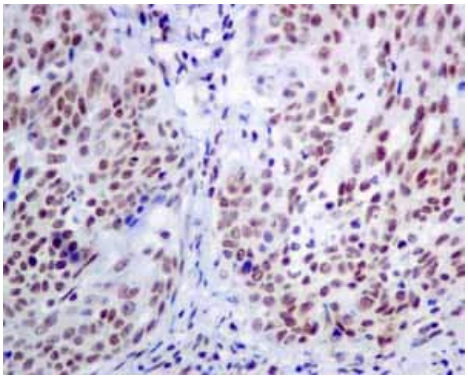
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin embedded Human lung adenocarcinoma tissue using ab155092 showing +ve staining.

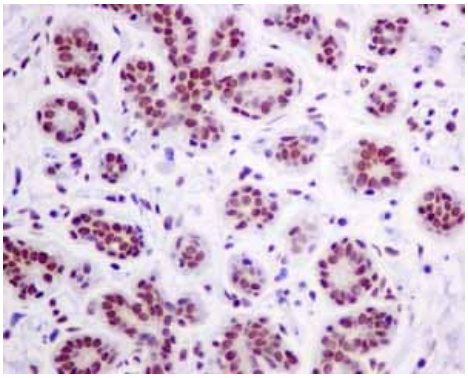
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin embedded Human cervical carcinoma tissue using ab155092 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

Immunohistochemical analysis of paraffin embedded Human normal breast tissue using ab155092 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Anti-MPG/AAG antibody [EPR10959(B)] (ab155092)

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